

# TE COOL SHIELD

## Abstract

Currently, there are only a limited options for defense against the heat seeking missile. Most importantly, all of these technologies requires that the pilot and/or the equipment must be able to detect the missiles. By the time the missile is detected, it may already be too late. Furthermore, they're cost prohibitive. TE Cool Shield is the first technology in the world to provide a shield that's invisible to heat-seeking missile. It's also more cost effective and uses a combination of technologies available today: thermoelectric, Heat Gel, and heat shield. If heat is what the missile is seeking, then all we have to do is to channel the heat away such that the object to be protected has similar temperature as its surroundings, then it'd become invisible to the heat seeking missile.